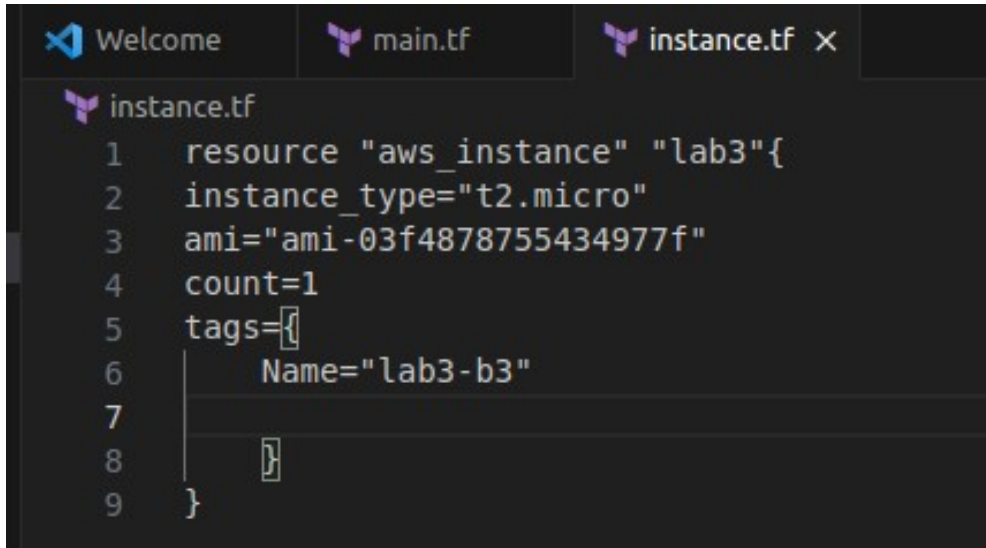


LAB-3

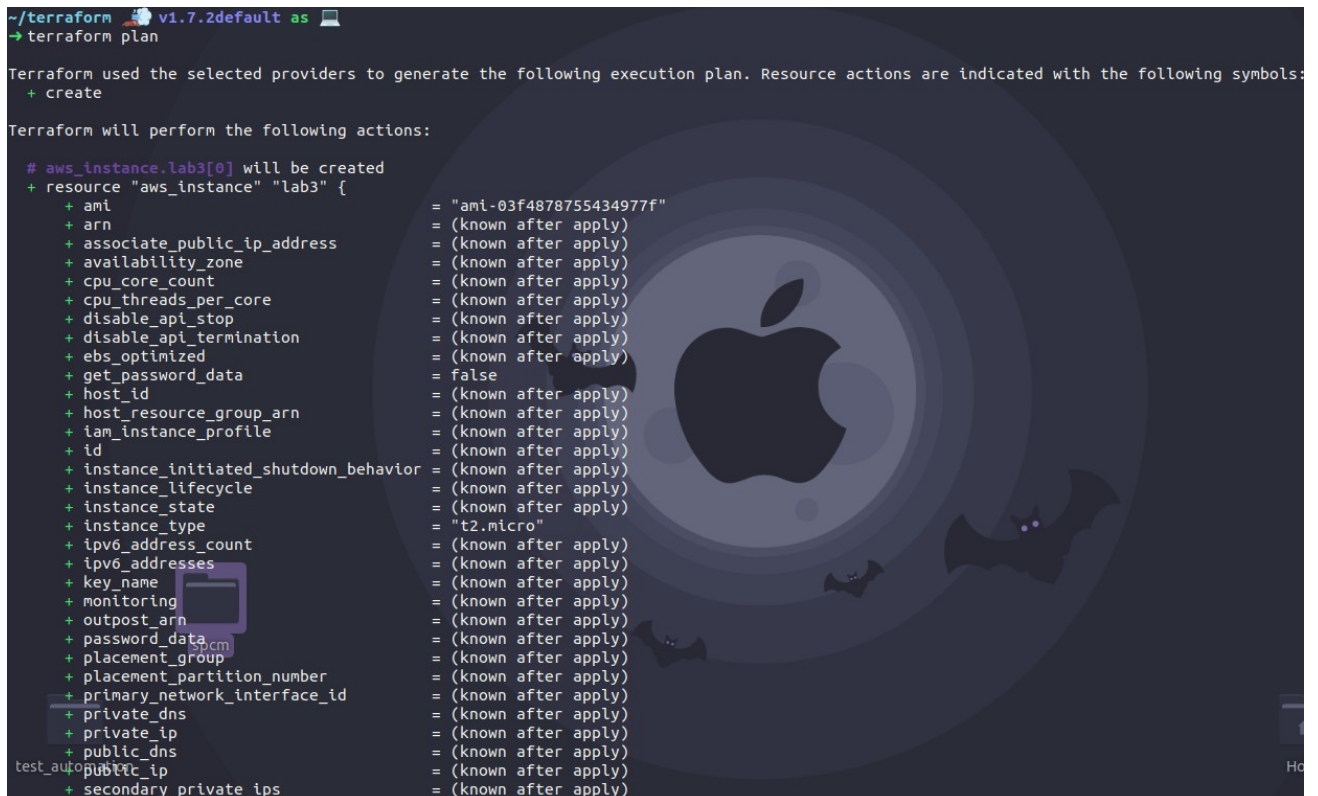
Provisioning on EC2 Instance on AWS

Step 1: Create Terraform configuration file for EC2 instance



```
1 resource "aws_instance" "lab3"{
2   instance_type="t2.micro"
3   ami="ami-03f4878755434977f"
4   count=1
5   tags=[
6     Name="lab3-b3"
7   ]
8 }
9 }
```

Step 2: Review Plan



```
~/terraform v1.7.2 default as
→ terraform plan

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
+ create

Terraform will perform the following actions:

# aws_instance.lab3[0] will be created
+ resource "aws_instance" "lab3" {
  + ami                        = "ami-03f4878755434977f"
  + arn                       = (known after apply)
  + associate_public_ip_address = (known after apply)
  + availability_zone          = (known after apply)
  + cpu_core_count             = (known after apply)
  + cpu_threads_per_core       = (known after apply)
  + disable_api_stop           = (known after apply)
  + disable_api_termination     = (known after apply)
  + ebs_optimized              = (known after apply)
  + get_password_data          = false
  + host_id                    = (known after apply)
  + host_resource_group_arn     = (known after apply)
  + iam_instance_profile       = (known after apply)
  + id                         = (known after apply)
  + instance_initiated_shutdown_behavior = (known after apply)
  + instance_lifecycle         = (known after apply)
  + instance_state              = (known after apply)
  + instance_type              = "t2.micro"
  + ipv6_address_count         = (known after apply)
  + ipv6_addresses             = (known after apply)
  + key_name                   = (known after apply)
  + monitoring                  = (known after apply)
  + outpost_arn                = (known after apply)
  + password_data              = (known after apply)
  + placement_group            = (known after apply)
  + placement_partition_number = (known after apply)
  + primary_network_interface_id = (known after apply)
  + private_dns                 = (known after apply)
  + private_ip                 = (known after apply)
  + public_dns                 = (known after apply)
  + public_ip                   = (known after apply)
  + secondary_private_ips      = (known after apply)
```

Step 3: Apply Changes

```
~/terraform v1.7.2default as
→ terraform apply

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
+ create

Terraform will perform the following actions:

# aws_instance.lab3[0] will be created
+ resource "aws_instance" "lab3" {
  + ami                  = "ami-03f4878755434977f"
  + arn                  = (known after apply)
  + associate_public_ip_address = (known after apply)
  + availability_zone     = (known after apply)
  + cpu_core_count       = (known after apply)
  + cpu_threads_per_core = (known after apply)
  + disable_api_stop      = (known after apply)
  + disable_api_termination = (known after apply)
  + ebs_optimized         = (known after apply)
  + get_password_data     = false
  + host_id               = (known after apply)
  + host_resource_group_arn = (known after apply)
  + iam_instance_profile  = (known after apply)
  + id                    = (known after apply)
  + instance_initiated_shutdown_behavior = (known after apply)
  + instance_lifecycle    = (known after apply)
  + instance_state        = (known after apply)
  + instance_type         = "t2.micro"
  + ipv6_address_count    = (known after apply)
  + ipv6_addresses       = (known after apply)
  + key_name              = (known after apply)
  + monitoring            = (known after apply)
  + outpost_arn           = (known after apply)
  + password_data         = (known after apply)
  + placement_group       = (known after apply)
  + placement_partition_number = (known after apply)
  + primary_network_interface_id = (known after apply)
```

Step 4: Verify Resources

Instances (1) Info							
<div>Find Instance by attribute or tag (case-sensitive)</div> <div>Any state</div> <div>Instance state = running X Clear filters</div>							
<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	lab3-b3	i-0535a3e62b0a526bf	Running	t2.micro	Initializing	View alarms +	ap-south-1a

Step 5: Cleanup Resources

```
~/terraform v1.7.2default as took 39s
→ terraform destroy
aws_instance.lab3[0]: Refreshing state... [id=i-0535a3e62b0a526bf]

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
- destroy

Terraform will perform the following actions:

# aws_instance.lab3[0] will be destroyed
- resource "aws_instance" "lab3" {
  - ami                  = "ami-03f4878755434977f" -> null
  - arn                  = "arn:aws:ec2:ap-south-1:339712729715:instance/i-0535a3e62b0a526bf" -> null
  - associate_public_ip_address = true -> null
  - availability_zone     = "ap-south-1a" -> null
  - cpu_core_count        = 1 -> null
  - cpu_threads_per_core  = 1 -> null
  - disable_api_stop      = false -> null
  - disable_api_termination = false -> null
  - ebs_optimized         = false -> null
  - get_password_data     = false -> null
  - hibernation           = false -> null
  - id                    = "i-0535a3e62b0a526bf" -> null
  - instance_initiated_shutdown_behavior = "stop" -> null
  - instance_state        = "running" -> null
  - instance_type         = "t2.micro" -> null
  - ipv6_address_count    = 0 -> null
  - ipv6_addresses       = [] -> null
  - monitoring            = false -> null
  - placement_partition_number = 0 -> null
  - primary_network_interface_id = "eni-02e6a968c37bc1bbd" -> null
  - private_dns           = "ip-172-31-35-194.ap-south-1.compute.internal" -> null
  - private_ip            = "172.31.35.194" -> null
  - public_dns            = "ec2-43-205-229-103.ap-south-1.compute.amazonaws.com" -> null
  - public_ip             = "43.205.229.103" -> null
}
```

Instances **Info** Refresh Connect Instance state ▾ Actions ▾ Launch instances ▾

Any state ▾

Instance state = running Clear filters < 1 > ⚙️

<input type="checkbox"/>	Name ↗	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾
No matching Instances found							